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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<i>Group:</i>	1651	}	
<i>Confirmation No.:</i>	7977	}	
<i>Application No.:</i>	10/634,292	}	
<i>Invention:</i>	<b>Nano-Structured Polymers For Use As Implants</b>	}	
<i>Applicant:</i>	Haberstroh et al.	}	
<i>Filed:</i>	August 5, 2003	}	
<i>Attorney Docket:</i>	3220-73239	}	
<i>Examiner:</i>	Davis, Ruth A.	}	

I hereby certify that this correspondence is being  
filed electronically in the United States Patent and  
Trademark Office

on March 9, 2007

  
(Signature)

Garla L. Twyman  
Printed Name

**RESPONSE AND AMENDMENT UNDER 37 C.F.R. §§1.111 and 1.121(c)**

**Mail Stop Amendment**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed on September 13, 2006, Applicants respectfully request entry of the amendments to the claims transmitted herewith and consideration of the accompanying remarks. No new matter is sought to be entered by way of these amendments. The extendable due date for response to the instant Office Action, under a one-month shortened statutory period, is October 13, 2006. Applicants hereby petition for a five-month extension of time under 37 C.F.R. § 1.136(a) to respond to the instant Office Action, thereby extending the period for response to March 13, 2007. In association therewith, Applicants hereby authorize the Commissioner to debit Barnes & Thornburg LLP Deposit Account No. 10-0435 in the amount of \$1080.00, the fee set forth under 37 C.F.R. § 1.17(a)(5) for a five-month extension under small entity status. Applicants have submitted herewith in a separate paper a CORRECTION OF LARGE ENTITY STATUS-ASSERTION OF SMALL ENTITY STATUS UNDER 37 C.F.R. § 1.27(c)(1),

which CORRECTION is submitted in support of Applicants having erroneously established large entity status for the above-captioned application. Applicants do not believe that any additional fees are due with the instant Response; however, if any such fees are required, the Commissioner is hereby authorized to charge the same to Barnes & Thornburg LLP Deposit Account No. 10-0435, with reference to our matter 3220-73239.

In response to the Office Action mailed September 13, 2006, please consider the following:

**Amendments to the Claims** beginning on page 3 of this paper.

**Remarks** beginning on page 7 of this paper.